

TELEVISION TUNER AND METHOD OF PROCESSING A RECEIVED RF SIGNAL

Abstract

A television (TV) tuner includes a first mixer having an input terminal coupled to a received RF signal for producing an intermediate frequency signal, a notch filter having an input terminal coupled to the intermediate frequency signal for removing a first range of signals centered at a first center frequency in the intermediate frequency signal, a band-pass filter having an input terminal coupled to the intermediate frequency signal for passing a second range of signals centered at a second center frequency in the intermediate frequency signal, and a second mixer having inputs coupled to a filtered intermediate frequency signal for producing a first output signal. The filtered intermediate frequency signal is received from an output of the notch filter and the band-pass filter.